

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	164661	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 15:24
S2	60	S1 and ((annular circular round) near3 gas near3 groove)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 15:26
S3	8	S1 and ((annular circular round) near3 gas near3 groove) and ((annular circular round) near3 gas near3 (recess hole space))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 15:30
S4	1	S1 and ((annular circular round) near3 gas near3 groove) and ((annular circular round) near3 gas near3 (recess hole space)) and rib	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 15:31
S5	2	S1 and ((annular circular round) near3 gas near3 groove) and ((annular circular round) near3 gas near3 (recess hole space)) and protru\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/20 15:31
S6	1	("6108189").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:21
S7	1	("5761023").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/21 10:22
S8	164661	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 11:32

## EAST Search History

S9	142	S8 and second adj inlet	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 11:38
S10	26	S8 and second adj inlet and he	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 11:33
S11	396	S8 and second adj conduit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 12:14
S12	284	S8 and second adj (conduit inlet) and gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 12:15
S13	3591462	S8 and second adj (conduit inlet) and gas anf heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 12:15
S14	192	S8 and second adj (conduit inlet) and gas and heat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 12:15
S15	118	S8 and second adj (conduit inlet) and gas and heat and base	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 12:25

## EAST Search History

S16	9	S8 and outer adj (conduit inlet) and gas and heat and base	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 12:25
S17	112	S8 and inlet and ((second two dual plurality multiple multiplicity) near3 (annular circular concentric) near5 gas)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:47
S18	164661	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:47
S19	9838	S18 and ((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) near3 (pin support column dot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:50
S20	7603	S18 and ((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) near2 (pin support column dot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:51
S21	3550	S18 and ((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) near (pin support column dot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:51

## EAST Search History

S22	1720	S18 and ((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pin support column dot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:17
S23	1796	S18 and ((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pin support column dot protrusion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:52
S24	76	S23 not S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:11
S25	24	(S23 not S22) and (wafer die substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:11
S26	2100	S18 and ((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pin support column dot stub finger))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:18
S27	2175	S18 and ((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pin support column dot stub finger protrusion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:19

## EAST Search History

S28	335	S18 and (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pin support column dot stub finger protrusion)) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:23
S29	246	S18 and (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pin support column dot stub finger protrusion)) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip))) and (annular circular ring concentric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:38
S30	91	S18 and (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pin support column dot stub finger protrusion)) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip))) and (annular circular ring concentric) and gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 16:45

## EAST Search History

S31	154	S18 and (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (tip end pin support column dot stub finger protrusion)) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip)))) and (annular circular ring concentric) and gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 17:07
S32	63	S31 not S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 16:49
S33	175	S18 and (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (tip end\$3 point point-like point\$like pin support column dot stub finger protrusion)) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip)))) and (annular circular ring concentric) and gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 17:14

## EAST Search History

S34	21	S33 not S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 17:09
S35	803	S18 and (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (tip end\$3 point point-like point\$like pin support column dot stub finger protrusion))) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 17:42
S36	628	S35 not S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 17:16
S37	66987	S18 and (plurality multiple multiplicity near3 (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (tip end\$3 point point-like point\$like pin support column dot stub finger protrusion)))) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 17:42

## EAST Search History

S38	26	S18 and ((plurality multiple multiplicity) near3 (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (tip end\$3 point point-like point\$like pin support column dot stub finger protrusion))) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 18:09
S39	2	10/293321	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 18:08
S41	1846	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (support\$3 adj (pin finger protrusion)) and (concentric circular annular ring round rounded circling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 18:23
S42	644	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (support\$3 adj (pin finger protrusion)) and (concentric circular annular ring round rounded circling) and gas	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 18:24
S43	307	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) same (support\$3 adj (pin finger protrusion)) same (concentric circular annular ring round rounded circling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 18:24



## EAST Search History

S44	71	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) same (support\$3 adj (pin finger protrusion)) same (concentric circular annular ring round rounded circling) same (gas he)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 18:25
S45	2	"6740853".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 10:37
S47	1	"6740853".pn. and plate and circular and concentric and inner and outer and gas and second and conduit and first and ring and tight and seal\$3 and quartz and substrate and wafer and (he helium) and inlet and outlet and thick\$4 and thin\$2 and channel and zone and center and edge and internal and external and radi\$2 and mm and lift\$3 and recess and groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 11:01
S48	2	"5986874".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 13:30
S49	1	"5986874".pn. and "48"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 13:31
S50	164773	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 14:16

## EAST Search History

S51	26	S50 and ((plurality multiple multiplicity) near3 (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pad tip end\$3 point point-like point\$like pin support column dot stub finger protrusion)))) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 14:37
S52	2	"5986874".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 14:32
S53	16	S50 and ((plurality multiple multiplicity) near3 (((protrud\$3 jut\$4 beetl\$3 (bug\$4 adj out) bulg\$3 elongat\$3 impend\$3 lengthen\$3 overhang\$3 pok\$3 (pop\$3 adj out) pouch\$3 project\$3 protuberat\$3 (stand\$3 adj out) stick\$3 (stick\$3 adj out) (ris\$3 adj above) (stand\$3 adj out) (swing\$3 adj over) emerg\$3) adj (pad tip end\$3 point point-like point\$like pin support column dot stub finger protrusion)))) same (substrate wafer die board chip plasma (gallium ADJ arsenide ADJ chip) (hybrid ADJ chip) microchip microcircuit motherboard (neural ADJ network ADJ chip) PCB (printed ADJ circuit ADJ board) (semiconductor ADJ chip) superchip transputer (wafer ADJ chip)))) and (separation separated density close)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 14:41

## EAST Search History

S54	2	"5761023".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 14:48
S55	2	"20020135968".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 15:48
S56	2	"6611417".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 15:50
S57	322	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (rib\$4 near3 width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 16:28
S58	8116	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and ("%" width) and gas and (wafer substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 16:33
S59	348	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near3 width) and gas and (wafer substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 16:39
S60	27	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near3 width) and gas and (wafer substrate) and rib\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 16:48

## EAST Search History

S61	6126	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (rod bar batten billet boom crossbar crosspiece ingot lever paling pig pole rail rib rule shaft slab spar spoke stake stick streak strip stripe stroke separation wall divider) and gas and groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 16:51
S62	84	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and ((rod bar batten billet boom crossbar crosspiece ingot lever paling pig pole rail rib rule shaft slab spar spoke stake stick streak strip stripe stroke separation wall divider) NEAR width) and gas and groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:13
S63	928	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and ((rod bar batten billet boom crossbar crosspiece ingot lever paling pig pole rail rib rule shaft slab spar spoke stake stick streak strip stripe stroke separation wall divider) NEAR width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:34
S64	495	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and ((rod bar batten billet boom crossbar crosspiece ingot lever paling pig pole rail rib rule shaft slab spar spoke stake stick streak strip stripe stroke separation wall divider) NEAR width)	USPAT	OR	ON	2006/08/22 17:14
S65	446	S64 not S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:31
S66	244	(S64 not S62) and (concentric circular annular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:31

## EAST Search History

S67	500	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and ((rod bar batten billet boom crossbar crosspiece ingot lever paling pig pole rail rib rule shaft slab spar spoke stake stick streak strip stripe stroke separation wall divider) NEAR width) and (concentric circular annular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:35
S68	500	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and ((rod bar batten billet boom crossbar crosspiece ingot lever paling pig pole rail rib rule shaft slab spar spoke stake stick streak strip stripe stroke separation wall divider) NEAR width) and (concentric circular annular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:51
S69	308	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near2 (mm "%" ratio))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:53
S70	226	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near2 (mm "%" ratio)) and (circular concentric annular circle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:53
S71	82	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near (mm "%" ratio)) and (circular concentric annular circle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:54
S72	740	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near (mm "%" ratio width)) and (circular concentric annular circle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 17:55

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S73	167	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near (mm "%" ratio width)) and (circular concentric annular circle) and gas and (wafer substrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 18:35
S74	107	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3) and (groove near (mm "%" ratio width)) and (circular concentric annular circle) and gas and (wafer substrate) and second and spac\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 18:36
S75	2	"5761023".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:38
S76	1	"5761023".pn. and width	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:38
S77	8	("6740853" "5986874" "5761023" "6018189").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 00:48
S79	3	S77 and width	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:42
S80	164792	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:48

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S81	2	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and depth/width/pitch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:50
S82	10499	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and pitch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:51
S83	6887	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and pitch and (circular ring circle annular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:10
S84	158	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and pitch and(second adj (circular ring circle annular round))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:57
S85	110	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and pitch and groove and (second adj (circular ring circle annular round))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:06
S86	40	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and (pitch same groove) and (second adj (circular ring circle annular round))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 21:58
S87	70	S85 not S86	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:07

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S88	236	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and (second two) adj ((circular ring circle annular round) adj groove)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:12
S89	78	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and (second two) adj ((circular ring circle annular round) adj groove) and width	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:48
S93	2	09/814067	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:37
S94	8	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and (second two) near3 ((circular ring circle annular round) adj groove) near3 width	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:51
S95	8	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and (plurality multiple multiplicity third second dual three two) near3 ((concentric circular ring circle annular round) adj groove) near3 width	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:55
S96	12	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and (plurality multiple multiplicity third second dual three two) near5 ((concentric circular ring circle annular round) adj groove) near5 width	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:53
S97	4	S96 not S95	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:54



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S98	682	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and ("0.5" near3 width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 23:58
S10 0	511	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and ("0.5" near2 width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 22:57
S10 1	205	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and ("0.5" near width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 23:27
S10 2	1707	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and (mm near width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 23:42
S10 3	274	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and ("1.5" near3 width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 23:42
S10 4	212	(esc ((electrostatic electro\$static (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and ("1.5" near2 width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 23:43
S10 6	62	S103 not S104	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 23:49

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S10 8	134	(esc ((electrostatic electrostatic (electro adj static)) adj (chuck\$3 clamp\$3 hold\$3)) chuck\$3 e-chuck\$3 e\$chuck\$3) and ((annular circular concentric round ring) adj (groove channel path pathway) near3 width)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 00:01
S10 9	8	("6740853" "5986874" "5761023" "5186238").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 00:48
S11 0	3	S109 and (aluminum nitride silicon carbide boron)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 00:49
S11 2	8	("6740853" "5986874" "5761023" "5186238").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 09:24
S11 3	2	S112 and recess	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 09:25
S11 6	2	S112 and ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 09:25

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S117	707	361/234.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/23 13:06